RT3P11M

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

DESCRIPTION

RT3P11M is a composite transistor built with two RT1P141 in SC-88 package.

FEATURE

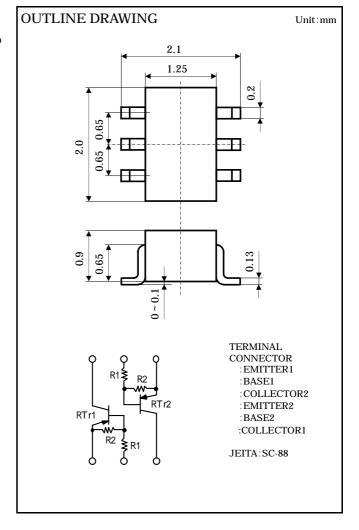
Silicon epitaxial type

Each transistor elements are independent.

Mini package for easy mounting

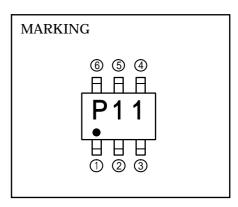
APPLICATION

Inverted circuit, switching circuit, interface circuit, driver circuit



MAXIMUM RATING (Ta=25)

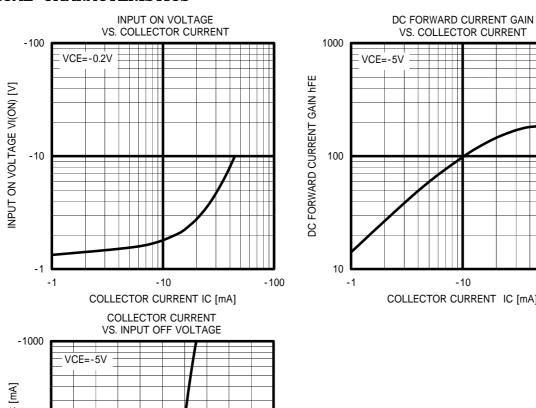
SYMBOL	PARAMETER	RATING	UNIT	
Vcbo	Collector to Base voltage	-50	V	
VEBO	Emitter to Base voltage	-10	V	
VCEO	Collector to Emitter voltage	-50	V	
VIN	Input Voltage	-40	V	
Ic	Collector current	-100	mA	
Icm	Peak Collector current	-200	mA	
Pc	Collector dissipation(Total, Ta=25)	150	mW	
Tj	Junction temperature	+ 150		
T _{stg}	Storage temperature	-55 ~ + 150		

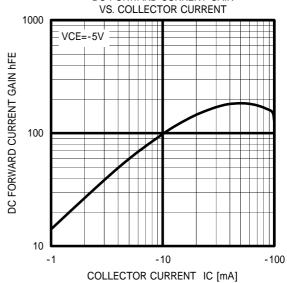


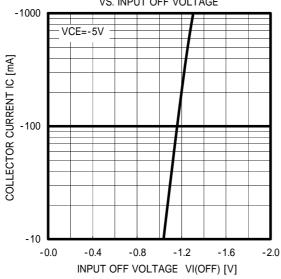
ELECTRICAL CHARACTERISTICS (Ta=25)

Symbol	Parameter	Test conditions	Limits			T I 14
			Min	Тур	Max	Unit
V(BR)CEO	Collector to Emitter break down voltage	I _C =-100 µ A,R _{BE} =	-50	-	-	V
ICBO	Collector cut off current	V _{CB} =-50V,I _E =0	-	-	-0.1	μΑ
hfE	DC forward current gain	VCE=-5V,IC=-10mA	50	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	IC=-10mA,IB=-0.5mA	-	-0.1	-0.3	V
V _{I(ON)}	Input on voltage	V _{CE} =-0.2V,I _C =-5mA	-	-1.5	-3.0	V
VI(OFF)	Input off voltage	VCE=-5V,IC=-100 µ A	-0.8	-1.1	-	V
R ₁	Input resistor	-	7	10	13	k
R ₂ /R ₁	Resistor ratio	-	0.9	1.0	1.1	-
fT	Gain band width product	VCE=-6V,IE=10mA	-	150	-	MHz

TYPICAL CHARACTERISTICS









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